ROAD PLAN OF DEVELOPMENT

1. Purpose and Need for the Facility
    a. what will be built
    b. what is use
    c. what is size
    d. does the proposal involve new construction, reconstruction, or improvement of an existing road
    e. is the use temporary or permanent
    f. is this ancillary to an existing right-of-way
    g. type and volume of traffic that is anticipated
    h. season of use
    i. origination and destination of the road
    j. alternative routes or locations, if proposed road not within a designated corridor

2. Right-of-way Location
    a. legal description
    b. maps tied to section corners and drawings
    c. road cross sections, and plans and profiles

3. Facility Design Factors
    a. minimum and maximum engineering standards
        1) construction standards of the road
        2) maximum grade and pitch of the road
        3) requirements and location of drainage ditches, culverts, bridges, and low-water crossings
        4) if the road will be surfaced, what surfacing material will be used
        5) length and width of road
        6) cut and fill diagrams
    b. detailed engineering plans and specifications for major structures
        1) major culverts, bridges, retaining walls
    c. temporary use areas needed

4. Additional Components
    a. existing components on and off public land
    b. possible future components on and off public land
    c. is there a need for sand and gravel supplies from public land
    d. location of equipment storage areas

5. Government Agencies Involved
    a. are Corps of Engineers Section 404 permits needed
    b. are State or local permits, easements, or dedications needed

6. Construction of facilities
    a. construction (brief description)
        1) major facilities (including vehicles and number of tons and loads)
        2) ancillary facilities (including vehicles and number of tons and loads)
        3) methods of construction and types of equipment to be used on the road right-of-way
    b. work force (number of people and vehicles)
    c. flagging or staking of the right-of-way
    d. clearing and grading
    e. facility construction data
        1) description of construction process
    f. access to and along right-of-way during construction
    g. contingency planning
        1) holder contacts
        2) BLM contacts
    h. safety requirements

    i. industrial wastes and toxic substances
    j. seasonal restrictions on various activities

7. Resource Values and Environmental Concerns
    a. address at level commensurate with anticipated impacts
        1) location with regard to existing corridors
    b. anticipated conflicts with resources or public health and safety
        1) air, noise, geologic hazards, mineral and energy resources, paleontological resources, soils, water, vegetation, wildlife, threatened and endangered species, cultural resources, visual resources, BLM projects, recreation activities, wilderness, etc.

8. Stabilization and Rehabilitation
    a. soil replacement and stabilization
    b. disposal of vegetation removed during construction (i.e., trees, shrubs, etc.)
    c. seeding specifications
    d. fertilizer
    e. limiting access to right-of-way

9. Operation and Maintenance
    a. minimum maintenance and maintenance schedule
    b. placement of control, warning, and directional traffic signs
    c. maintenance of special needs such as snow removal, seasonal closure, and controlled access
    d. safety
    e. industrial wastes and toxic substances
    f. inspection and maintenance schedules
    g. work schedules
    h. fire control
    i. inspections
    j. contingency planning

10. Termination and Restoration
    a. determine if the road will be totally obliterated
    b. what structures will be left in place or removed
    c. stabilization and re-vegetation of disturbed area